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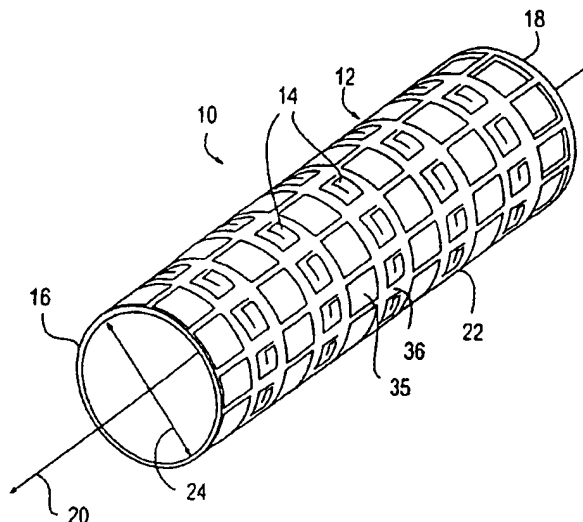
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(54) Title: EXPANDABLE BODY HAVING DEPLOYABLE MICROSTRUCTURES AND RELATED METHODS



(57) Abstract: Apparatuses, systems and methods for treating a patient by positioning an expandable body (10) having one or more microstructures (14) within a body lumen and penetrating the lumen wall with the microstructures (14). The microstructures are formed in or attached to the lumen through a catheter or other suitable device. Each microstructure (14) has an end (16) which is attached to the expandable body and a free end (18). Once the apparatus is positioned within the body lumen in a desired location one or more of the microstructures are deployed wherein the free ends project radially outwardly. The free ends of the deployed microstructures penetrate the lumen wall by continued expansion of the body. Additionally, a therapeutic agent may be delivered to the lumen wall by the penetrated microstructures.

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